

ABSTRACT

An object of the invention is to provide a purification method for oxidatively damaged guanine nucleosides having high accuracy and reproducibility, and also for which consideration is given to economic efficiency and environmental aspects, a measuring method therefor, and an analyzer for performing such.

The purification method for oxidatively damaged guanine nucleosides is a purification method for oxidatively damaged guanine nucleosides generated as a result of guanine damage in DNA or RNA, comprising a first purification step for purifying oxidatively damaged guanine nucleosides contained in a sample by anion-exchange chromatography. The purification method for 8-OH-dG is a purification method for 8-OH-dG contained in a sample, wherein 8-OH-rGuo is previously added to the sample so as to purify it. The measuring method for oxidatively damaged guanine nucleosides comprises a measuring step for measuring the purified oxidatively damaged guanine nucleosides obtained by the purification method.